

Converting Colors

XYZ(59.8085, 80.6141, 54.2799)

Have a look what the booklet for
XYZ(59.8085, 80.6141, 54.2799)
contains.

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Color

**XYZ(59.9007, 80.6995,
54.5389)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFAB2
RGB	175, 250, 178
RGB Percent	69%, 98%, 70%
CMY	0.3137, 0.0196, 0.3020
CMYK	0.30, 0.00, 0.29, 0.02
HSL	122°, 88%, 83%
HSV	122°, 30%, 98%
XYZ	59.9007, 80.6995, 54.5389
YIQ	219.3670, -21.5880, -38.2920

Conversions

Conversions Part 2

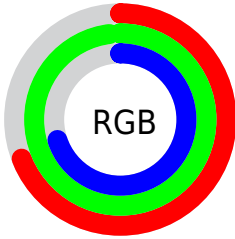
Format	Color
RYB	175, 247, 250
Decimal	11532978
CIELab	92.00, -36.83, 27.37
CIElCh	92, 45.883, 143.381
Yxy	80.6995, 0.3070, 0.4135
Android (android.graphics.Color)	4289723058 (0xFFAFFAB2)
YUV	219.3670, -20.3939, -38.9099
Hunter-Lab	89.8329, -38.1835, 26.8872

Details

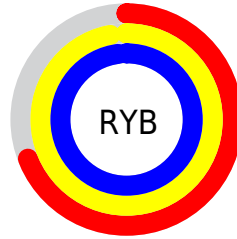
The XYZ color **59.9007, 80.6995, 54.5389** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.5455, 57.7011, 95.3656**, and the grayscale version is **67.7366, 71.2641, 77.6067**.

A 20% lighter version of the original color is **83.8900, 94.6163, 91.6832**, and **30.5174, 43.6137, 26.2119** is the 20% darker color. If you saturate the color by 10%, you get **52.5979, 77.1916, 42.7000**, and if you desaturate by 10%, it is **68.6681, 84.9184, 68.6504**.

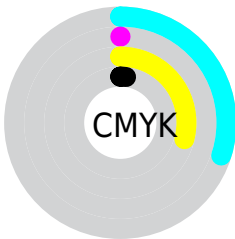
Distribution



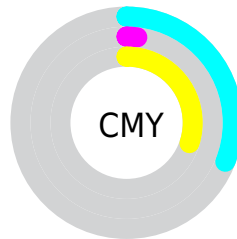
- Red (69%)
- Green (98%)
- Blue (70%)



- Red (69%)
- Yellow (97%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)



- Cyan (31%)
- Magenta (2%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9007, 80.6995, 54.5389 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 59.9007, 80.6995, 54.5389 by changing the saturation by 10% instead.

■ 59.9007, 80.6995,
54.5389

■ 59.9007, 80.6995,
54.5389

414.0723,
497.2871, 421.3943

■ 43.5878, 60.2941,
38.6366

■ 103.7928,
134.3487, 98.3294

■ 30.5431, 43.6558,
26.1715

132.1026,
168.3614, 127.0547

■ 20.4013, 30.4000,
16.7250

165.1421,
207.6787, 160.8913

■ 12.7970, 20.1424,
9.8788

203.2767,
252.6849, 200.2579

■ 7.3650, 12.4986,
5.2141

246.8716,
303.7644, 245.5729

■ 3.7397, 7.0842,
2.3125


296.2923,


■ 1.5560, 3.5148,

361.3017, 297.2550

0.7382

351.9040,
425.6811, 355.7226


 0.3634, 1.4060,
0.0000


 0.0000, 0.2212,
0.0000


 59.9007, 80.6995,
54.5389


 59.9007, 80.6995,
54.5389


 52.5979, 77.1916,
42.7000


 68.6681, 84.9184,
68.6504

 46.6741, 74.3461,
33.0100

 78.9671, 89.8734,
85.1388

 42.0443, 72.1243,
25.3415

 90.8684, 95.6012,
104.1086

 38.6118, 70.4794,
19.5517

 93.4772, 96.8543,
108.3757

■ 36.2663, 69.3579,
15.4791

■ 34.8768, 68.6965,
12.9350

■ 34.2420, 68.3963,
11.6843

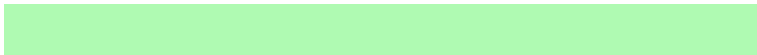
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0492, 80.6995, 40.7150



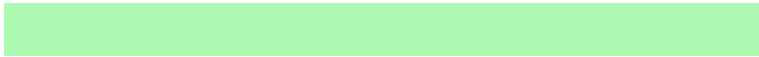
59.9007, 80.6995, 54.5389



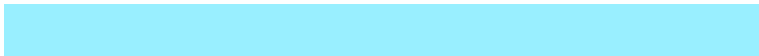
56.3069, 80.6995, 80.5919

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.9007, 80.6995, 54.5389



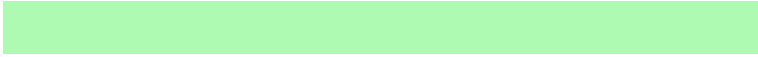
74.1179, 80.6995, 169.4721



99.4607, 80.6995, 64.5292

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59.9007, 80.6995, 54.5389



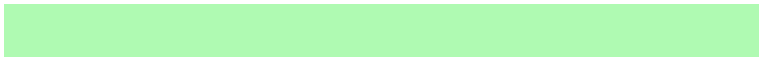
71.5455, 57.7011, 95.3656

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.5096, 80.6995, 95.5695



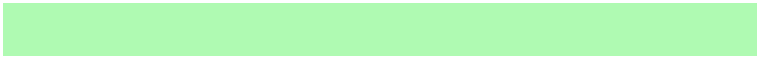
59.9007, 80.6995, 54.5389



86.0598, 80.6995, 161.9911

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.9007, 80.6995, 54.5389



63.9536, 80.6995, 150.9934



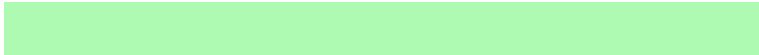
96.3844, 80.6995, 132.5867



91.0420, 80.6995, 45.3647

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.9007, 80.6995, 54.5389



56.6858, 80.6995, 103.7743



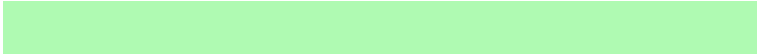
96.3844, 80.6995, 132.5867



100.9506, 80.6995, 73.6763

Sweetspot

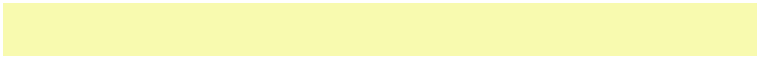
The Sweet Spot groups the original color and five complimentary colors.



59.9028, 80.7029, 54.5407



83.7584, 94.5655, 90.9054



80.4613, 91.3356, 53.9470



17.5648, 20.0663, 18.8778



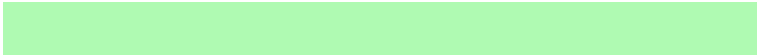
0.0000, 0.0000, 0.0000



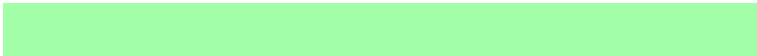
20.3446, 21.4041, 23.3091

Same Dimension

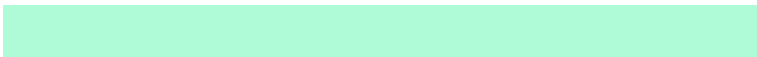
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.9028, 80.7029, 54.5407



57.8685, 82.1130, 49.2970



64.1329, 82.3949, 76.8159



17.0455, 19.3205, 18.4403



18.1745, 36.2828, 6.2622



1.6929, 3.3642, 0.6305

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.5455, 57.7011, 95.3656



71.8370, 54.5112, 98.2729



66.3896, 55.6387, 68.2150



17.9613, 17.5119, 21.6518



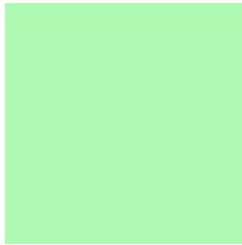
29.2678, 14.1229, 44.9803



2.7198, 1.3117, 4.2138

Previews

White Background



This preview shows how the XYZ color 59.9007, 80.6995, 54.5389 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 59.9007, 80.6995, 54.5389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

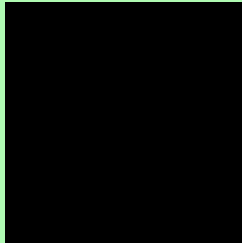
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.9007, 80.6995, 54.5389

Background



This preview shows how black text looks on a background with the XYZ color 59.9007, 80.6995, 54.5389.



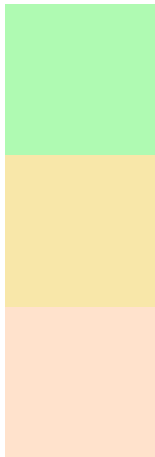
This preview shows how white text looks on a background with the XYZ color 59.9007, 80.6995,

54.5389.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

59.9007, 80.6995, 54.5389

Protanopia

74.4487, 79.9729, 49.0486

Deuteranopia

79.3354, 80.0123, 68.3892



Tritanopia

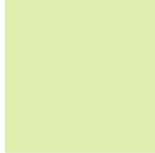
71.3895, 80.1048, 106.3069

Trichromacy



Original Color

59.9007, 80.6995, 54.5389



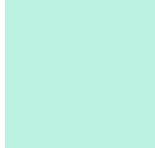
Protanomaly

67.8397, 79.4998, 50.7992



Deuteranomaly

70.9227, 79.5255, 63.2417



Tritanomaly

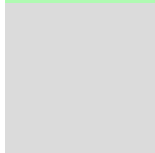
66.3563, 79.7417, 84.5674

Monochromacy



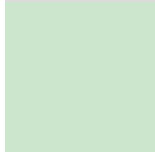
Original Color

59.9007, 80.6995, 54.5389



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.8245, 73.6498, 67.9787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9007, 80.6995, 54.5389 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 250, 178)` looks like.

```
.text, #text, p{  
    color:rgb(175, 250, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 250, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 250, 178) }
```

Border

The CSS property to change the border of an element to XYZ 59.9007, 80.6995, 54.5389 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 250, 178) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 250, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 250, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 250, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 250, 178);  
box-shadow:4px 4px 4px 4px rgb(175, 250,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9007, 80.6995, 54.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 250, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175,  
250, 178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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